

## WONDERBATCH®

One Total Solution Company  
for Your Bulk Materials Handling  
and Intelligent Batching Systems

SAVE **TIME** WITH  
THE INTELLIGENT  
SOLUTIONS THOUGHT  
BY NOL-TEC FOR YOU!





## The Revolutionary Nol-Tec Europe In-Line Formulation Concept

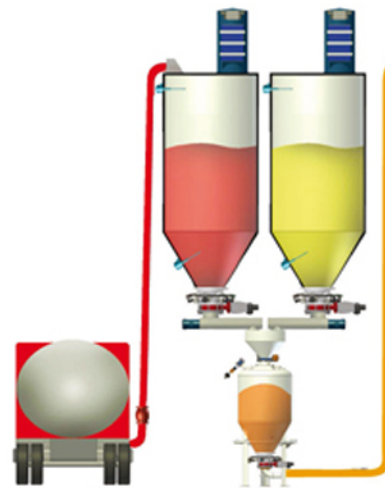
Nowadays Nol-Tec is a primary international company dealing with pneumatic conveying of granular and powder friable products. In addition to pneumatic conveying and blending, Nol-Tec has developed knowledge in mechanical conveying, weighing, dosing and automation.

The company growth has been solid and constant over time, especially thanks to the development of advanced technologies specifically applied to different fields.

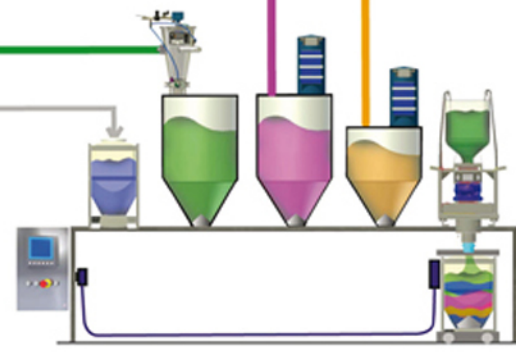
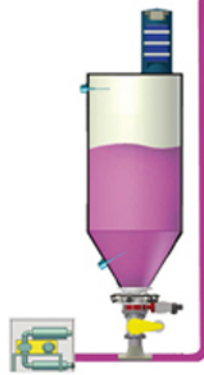
Nol-Tec offers several solutions for raw material storage and recovery, from silo to storage system, big and bulk bag unloaders, with innovative and customized options as electronic weighing and dosing, bulk bags automatic closure and integrated pneumatic conveying.

TRANSPORTER M201

RAW MATERIALS STORAGE AND RECOVERY



PNEUMATIC CONVEYING AND STORAGE SYSTEM



WONDERBATCH®



MIXING



FINAL PACKING UNIT

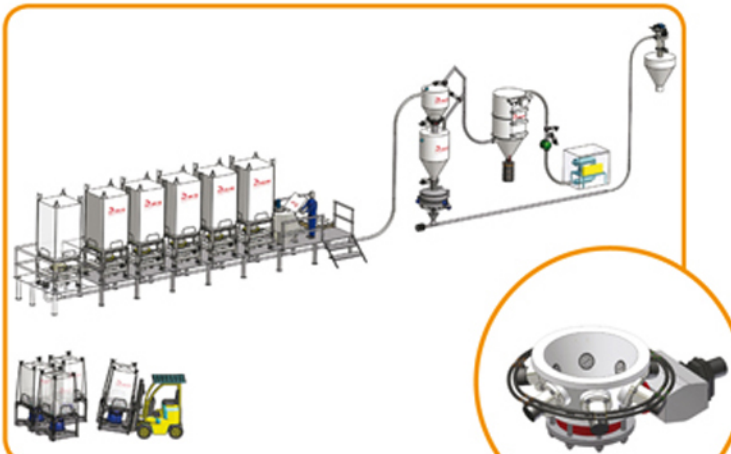


SILO FEEDING

### Dosing and Mixing

Through years of experience, NOL-TEC developed a particular and unique dosing control system: each ingredient is dosed with a double control, slow/fast, automatic dosing system of the value of the dosing set-up.

Mixing is realized with a last generation mixer, BLENDER M244 (in ATEX, DAIRY, GMP version) that, without mechanical parts, use the air force to obtain products mixings with different bulk density and particle size. During the blending cycle, compressed air pulses gently lift the materials upward and outward in a continuous circular motion until the blending target is achieved.



BLENDER M244

### Advantages

- 40% saved time
- Automatic monitoring during the whole process
- No contamination
- Short cleaning times
- Unique traceability

- Minimum space for the installation
- Dosing directly from Bulk Bag
- Single Operator
- No Washing

### Dense Phase System and Bulk Bags Filling/Bagging

Effective to convey material in Bulk Bags or Bagging, Bulk Bag loader M502 is equipped with weighing system that allows a semi-automatic work cycle and precision of the Bulk Bag loading. NOL-TEC dense phase pneumatic conveying uses a reduced quantity of compressed air to transport a big quantity of product, through the use of the AIR ASSIST™, strategically positioned along the convey pipe, in which the air is injected causing short and regular product slugs.

NOL-TEC AIR ASSIST make the system extremely flexible and safe against clogging, allowing reduced speed conveying for more fragile and/or abrasive and mixed products.

### Peculiarity

- Low speed convey
- Decrease of pipes and components abrasion
- Reduced degradation of conveyed product
- Conveying of premix with reduced segregation of components
- Restart of the convey with pipe full of product (non-purging concept)
- Reduced air consumption

BULK BAG LOADER M502



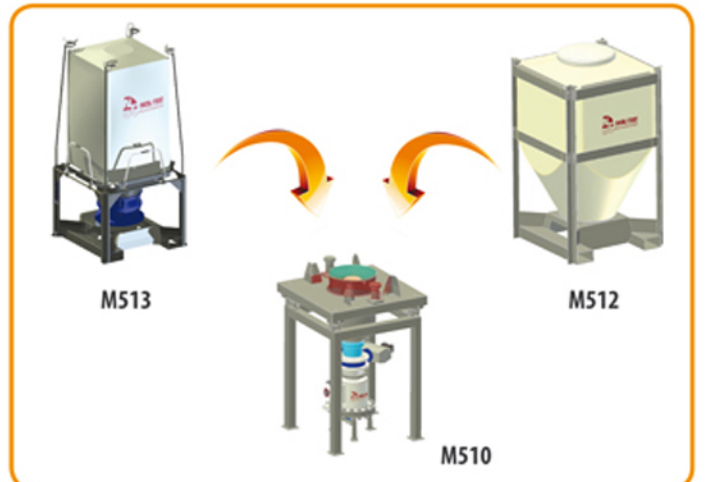
### M513 and M512 (IBC)

These systems are used for storage and distribution of products.

M513 and IBC are positioned on the unloading and dosing station with cone valve M510, to flexibly compose any batch type.

### Assure:

- No contamination
- Short cleaning times
- Accuracy of dosage directly from Bulk Bags
- Control and traceability







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## Convey Systems for:

- Ice Cream • Cakes/Brioche • Essences, Flavors • Spices • Chocolate • Coffee
- and for Special Productions:**
- Vitamins • Flavors • Probiotic • Macrobiotic • Kosher

## PLC - Scada - Mes

Systems Software and Hardware projected to keep under control your plants in simple, reliable, flexible, expandable way and at low cost.

### Functions:

- Traceability
- Batch management
- Production management
- Maintenance
- Efficiency graphics
- Quality management

## Research Center

### INNOVATION IN CONSTANT DEVELOPMENT

Nol-Tec Europe has an innovative Research Centre where several technologies can be tested, such as:

- Low pressure dense phase pneumatic conveying
- Vacuum dense and dilute phase
- Pneumatic blending

The Research Centre is also equipped with:

- Unload and dosing of mobile container
- Bulk Bag unload

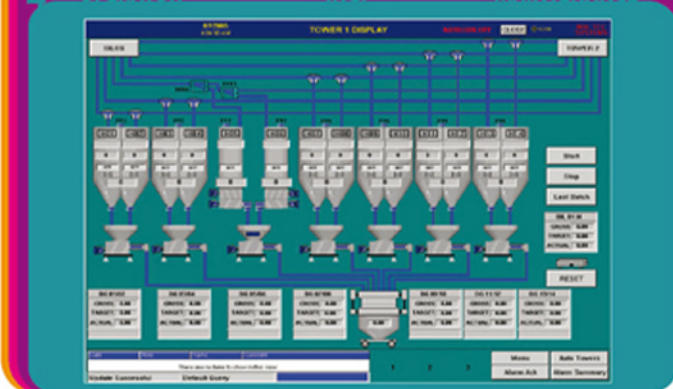
Nol-Tec performs test of:

- Conveyability
- Degradation
- Segregation

Of each product, as to have no problem during the plant start-up.

The customer can really check how the product acts according to the different pneumatic conveying configurations. Moreover, the test, performed by skilled technicians, gives relevant indications to how each system should be designed and operated.

- 1° HEAD LOGISTICS HEAD PLANT DESIGNER PRODUCTION
- 2° HEAD PRODUCTION HEAD QUALITY HEAD OPERATION
- 3° LAB EXPERT HEAD OF THE LINE HEAD QUALITY
- 4° OPERATOR ING MAINTENANCE



Test Plant (3D View)

